ENSURE THESE INSTRUCTIONS ARE FULLY READ AND UNDERSTOOD BEFORE USE.

PLEASE KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.

HEALTH AND SOCIAL SERVICES

THESE INSTRUCTIONS SHOULD BE LEFT WITH THE USER OF THE LOCOMOTOR KELLY STANDTO CONSULT AS REQUIRED.

CONTENTS

PACKING LIST
TECHNICAL SPECIFICATION
APPROVED SLING LIST
SPARE PART LIST

Always charge battery when not in use.
BEFORE USE READ 1.3 NOW

Select...
HEALTH CARE

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PACKING LIST

All fully assembled KELLY STANDS are tested and given a certificate, before being partially dismantled for packing in a strong purpose built carton, to ensure safe delivery of your KELLY STAND. Please retain the carton if possible.

Inside this carton you will find the following:

A. Battery (Item 1)

B. Grey Hand Control (Item 3)

C. Chassis Assembly (Item 4)

D. Mast Assembly (Item 5)

E. Charger (Item 7)

F. Test Certificate *

G. User Manual

***** The **TEST CERTIFICATE** is valid for **ONE** year and can be used for your insurance records. Once the first year has expired, the Locomotor KELLY STAND will require a new inspection and re-testing for the next year; you can arrange this through your supplier. In cases of any difficulty, please contact the manufacturer directly for the name and telephone number of your nearest service dealer.

IMPORTANT LIFT STRAP MUST BE REPLACED ON EVERY SERVICE

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ELECTRICAL REQUIREMENTS

The following details are required for the battery charger that is supplied with the KELLY STAND:-

FOR APPLIANCES SUPPLIED WITH FITTED PLUG.

If the socket outlets in your home are not suitable for the plug supplied with your battery charger, it should be removed and the appropriate plug fitted. **NOTE:** The plug removed from the mains lead, if severed, must be destroyed as a plug with bared flexible cord is hazardous if engaged into a live socket outlet.

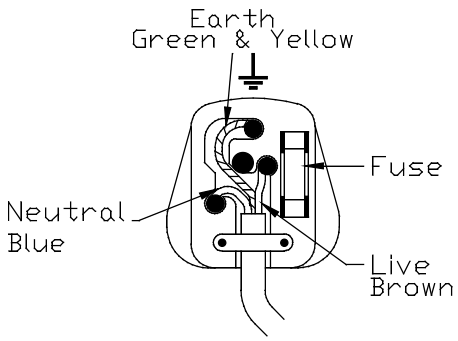
FITTING A PLUG

WARNING: THE CHARGER MUST BE EARTHED
WARNING: THE CHARGER MUST NOT BE USED IN A BATHROOM

IMPORTANT

The wires in the mains lead are coloured in accordance with the following code:

Green / Yellow	=	Earth
Blue	=	Neutral
Brown =	Live	



If you fit your own plug and the colours of the wires in the mains lead do not correspond with the markings identifying the terminals on your plug proceed as follows:-

The wire which is coloured Green and Yellow must be connected to the terminal in the plug marked E or with the earth symbol, or coloured Green or Green and Yellow. The wire which is coloured Brown must be connected to the terminal in the plug which is marked with the letter L or coloured Red. The wire coloured Blue must be connected to the terminal in the plug which is marked with the letter N or coloured Black.

Before connecting to the mains, check that the supply voltage is the same as that shown on the charger. A three pin plug must be used with a 3A fuse. If a BS1363 fused plug is used it should be fitted with a BS1362 3A fuse.

If your house supply has two pin sockets or you are in any doubt, consult a competent electrician.

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1. Getting Started with your Locomotor KELLY STAND

1.1. Remove all items from the carton.

1.2. Identify the items and their quantities against the packing list.

1.3. Plug the battery charger (7) into a 13 amp mains socket and switch on. A green light will indicate mains input to the charger (8). Place battery (1) into the charger (7), the amber light (9) will indicate that battery is charging. When the battery is fully charged the amber light will go out.

2. Assembly of your Locomotor KELLY STAND (See diagram)

2.1. Place the base chassis (4) on a level floor.

2.2. Locate the mast assembly (5) onto the chassis spigot (10), then lock with the mast lock hand wheel (11).

2.3. Plug the lead for the powered leg opener (12) onto the leg actuator power socket (13) on the under side of the battery compartment(28).

2.4. Plug the lead for the lift actuator (18) onto the lift actuator power socket (6) on the back of the battery compartment (28).

2.5 Place a charged battery (1) in the battery compartment (28).

Connect the hand control (3) into the socket on the battery compartment(15).

2.6 To dismantle for transportation, reverse the above procedure.

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3. Using the Locomotor KELLY STAND.

3.1. Leg Opening.

To open the legs of the Locomotor KELLY STAND press the leg open button (21) on the hand control (3) or (22) on the battery compartment(28). The legs can be set in any position depending on how long the button is held for. To close the legs press the leg close button (23) on the hand control (3) or (24) on the battery compartment(28). When the legs are either fully open or fully closed they will stop automatically.

3.2. Brakes.

The rear castors (25) are fitted with brakes which stop the Locomotor KELLY STAND from moving. To operate the brakes, press on the brake pedal(26), using the ball of the foot To unlock, push the brake pedal upwards (26).

3.3. Selecting a Sling.

The Locomotor KELLY STAND can used with several slings (see approved sling list); please take care to select the best sling for the client's need.

3.4 Standing.

Select a suitable sling, Assess the height of the patient in his or her chair and adjust the height of the attachment point (39) using hand controller (3) . Adjust the width of the legs to fit round the clients chair using the leg opening button (21) on the hand controller(3) and position the KELLY STAND. Place the patients feet on the foot plate (14). Fit the sling using the carabiner (28) to attach the sling to the loops(41 & 42). Using the hand control (3) take up the weight by pressing the up button (16) on the hand control (3). Make sure the sling is correctly fitted, i.e. not twisted or the wrong length, and the client comfortable. Continue lifting until the client is clear of the chair.

The KELLY STAND can now be moved to the transfer point i.e. chair or commode. Keep all movements as smooth as possible to make the client feel safe and secure. The legs can be adjusted if necessary to pass though a doorway.

To place the client back in the chair reverse the procedure. The remote hand control allows the attendant to stand in a good position for repositioning the client in their chair. Using the hand holds on the sling, pull the client back in the chair whilst lowering.

Never move unnecessary distances with the client suspended.

3.5. **Moving the Locomotor KELLY STAND.**

Always make sure the brakes are off, when moving the KELLY STAND. Try to pull the KELLY STAND (rather than push), either in a circular motion by pulling sideways on one handle, or backwards by pulling on both handles (37).

3.6 **Emergency Lowering.**

In the unlikely event of a total failure of the electrical circuits of the KELLY STAND .The KELLY STAND can be lowered using the red pull lever (30) located on the actuator (18). Make sure the client is in the position you require to lower, pull the red lever (30) upwards. The KELLY STAND will now automatically lower the client. Lowering can be stopped at any time by releasing the red pull lever. Note:- The emergency lowering requires the KELLY STAND to be loaded i.e. carrying a patient. It will not lower the spreader bar under its own weight. N.B.: The emergency lowering mechanism should only be used in an emergency and not for general lowering.

Never move unnecessary distances with the client suspended.

4. Cleaning your Locomotor KELLY STAND.

4.1. Only use a non-abrasive cleaner or disinfectant on the surfaces on the Locomotor KELLY STAND. e.g. Isopropyl alcohol at 70% concentration.

5. Using your Locomotor KELLY STAND Batteries

5.1. The Locomotor KELLY STAND comes with one removable battery (1), which will give up to thirty average lifts, when fully charged. If you have a second battery please make sure one battery is on charge, at all times. Otherwise place the battery on charge after use.

6. Some Do's and Don'ts.

6.1. **DO** ensure that you have read these instructions and understood them fully, including the glossary of symbols in the back of the instruction manual.

6.2. **DO** ensure that you carry out an inspection of the Locomotor KELLY STAND on a regular basis.

6.3. **DO** make sure that when the KELLY STAND is not in use the battery is removed and placed on charge (1) in the charger (7).

6.4. **DON'T** let children play with the Locomotor KELLY STAND.

6.5. **DON'T** exceed the safe working load of a 160kgs person (25 stones). There is an audible and visible warning device fitted, which will let you know if you have exceeded the weight limit. On hearing or seeing this the KELLY STAND will only allow you to lower the client, for you to reassess the situation. Doing this will re-set the overload condition.

6.6. **DON'T** allow the battery (1) to totally discharge, as this will drastically shorten the life of the battery (1). There is an audible and visible warning device fitted to the Locomotor KELLY STAND, this will bleep when you are lifting the client, as well as illuminate an indicator to let you know that the battery (1) level is low. On hearing the bleep finish the lift and change or charge the battery (1).

7. Trouble Shooting.

IF KELLY STAND FAILS TO LIFT OR LOWER CHECK THE FOLLOWING: **YES** **NO**

a) Is the lift actuator's (18) power plug (35) plugged into the lift actuator power socket (6) ? If NO plug in power plug (35) to connect lift actuator (18). If YES GO TO (b). ❑ ❑

b) Has emergency stop switch been activated? If YES pull out emergency switch (2) to reset. If NO GO TO (c). ❑ ❑

c) Is battery (1) correctly located in the battery compartment(28)? If YES GO TO (d). ❑ ❑

d) Are any of the indicator lamps (31,32,33,34) on the battery compartment(28) on? If YES GO TO (e). If NO then try a newly charged battery. ❑ ❑

e) Is green battery OK lamp (31) on the battery compartment(28) on? If YES GO TO (j). ❑ ❑

f) Is amber change battery lamp on (32) on the battery compartment(28) on? If YES charge battery (1) or replace with fully charged battery if NO GO TO (d). ❑ ❑

g) Is KELLY STAND bleeping and red charge battery lamp on (33) on the battery compartment(28) on? If YES charge battery or replace with fully charged battery if NO GO TO (d). ❑ ❑

h) Is KELLY STAND bleeping and red overload lamp (34) on the battery compartment(28) on? If YES press down button (19) on hand control (3) to reset then GO TO (l). ❑ ❑

j) Is hand control (3) plugged in securely? To hand control socket (15) If YES GO TO (m). ❑ ❑

k) Has the maximum or minimum height been reached? If NO GO TO (m). ❑ ❑

l) Is sling caught on legs or other obstruction, or is client over safe working load of 160kg (25 stone). If YES clear obstruction or a use higher capacity lifter ❑ ❑

m) If KELLY STAND is still not working, ☎**CUSTOMER SERVICE ON (01933) 411729**

IF KELLY STANDLEG OPENING WILL NOT WORK CHECK THE FOLLOWING **YES NO**

a)Is the leg actuator power plug (12) plugged into the leg actuator power socket on battery compartment (28) ? If NO plug in power plug (12) to connect leg actuator. GO TO (b). ❑ ❑

b) Make sure legs are not obstructed GO TO (c). ❑ ❑

c) Has emergency stop switch been activated? If YES pull out the emergency stop button (2) to reset. If NO GO TO (d). ❑ ❑

d) Is battery (1) correctly located in the battery compartment(28)? If YES GO TO (e). ❑ ❑

e) Are any of the indicator lamps (31,32,33,34) on the battery compartment(28) on? If YES GO TO (f). If NO then try a newly charged battery. ❑ ❑

(f) Is green battery OK lamp (31) on the battery compartment(28) on? If YES GO TO (j) ❑ ❑

(e) Is amber change battery lamp on (32) on the battery compartment(28) on? If YES charge battery or replace with fully charged battery GO TO (f). ❑ ❑

f) Is KELLY STAND bleeping and red charge battery lamp on (33) on the battery compartment(28) on? If YES charge battery or replace with fully charged battery GO TO (f). ❑ ❑

g) Is KELLY STAND bleeping and red overload lamp (34) on the battery compartment(28) on? If YES press down button (19) on hand control (3) to reset then GO TO (j). ❑ ❑

h) Is hand control (3) plugged in securely? To hand control socket (15) If YES GO TO (m). ❑ ❑

i) Are the legs fully open or closed? If NO GO TO (k). ❑ ❑

j) Are the legs caught on an obstruction, or is client over safe working load of 160kg (25 stone). If YES clear obstruction or use a use higher capacity lifter if NO GO TO (k) ❑ ❑

k) If leg opening still does not work, ☎**CUSTOMER SERVICE ON (01933) 411729**

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CHARGER WILL NOT CHARGE

a) Check green power on lamp (7) is on. If NO replace fuse in mains plug with 3 amp fuse. If YES GO TO (c), if NO GO TO (b). ❑ ❑

b) Check mains socket is switched on then try another mains socket. If YES GO TO (c), if NO GO TO (d). ❑ ❑

c) If amber charge light does not come on when battery is inserted GO TO (d). ❑ ❑

d) If charger is still not working, ☎**CUSTOMER SERVICE ON (01933) 411729**

IF YOU ARE IN ANY DOUBT PLEASE CONSULT CUSTOMER SERVICE ON (01933) 411729

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MAINTENANCE SCHEDULE

SLINGS *	Check the sling for any damage or wear, paying particular attention to the lifting straps, and the integrity of the stitching.
MAST ASSEMBLY (5) *	Check for any damage or distortion in the handlebar, also check the welded joints for any wear or tear.
CHASSIS/CASTORS (4, 38) *	Check the castors are running freely and fixing bolts are secure. Check also for any damage or distortion in the chassis and again check the welds for any damage.
ACTUATOR (18) MOUNTING / ANTI CRUSH	Check the mounting at each end of the actuator. The push rod of the actuator automatically disconnects when an obstruction is met, check that the spreader bar lifts freely.
CHARGER (7) *	Check the mains cable and plug for any damage.
BATTERY (1) *	Check for damage to the casing, where the battery may have been dropped, paying particular attention to the integrity of the weld joints. Charge regularly follow the rule of putting the battery on charge after using the KELLY STAND and leaving it on charge when the KELLY STAND is not in use. **DO NOT ALLOW BATTERY TO BECOME COMPLETELY DISCHARGED!**
HAND CONTROL (3)	Check that all the buttons work correctly. Check that the cable exit is secure at the bottom of the control.
COVERS & PADS *	Check for any damage (i.e. holes, cuts, etc.).
CLEANING *	Use a non-scratch cleaning agent (e.g. Isopropyl alcohol at 70% concentration), avoid wetting any electrical parts.
MANUAL LOWERING RELEASE LEVER	Load the KELLY STAND with a typical patient load pull red release lever (30) and make sure the KELLY STAND lowers on its own.
LOAD TEST	This test is be undertaken only by an authorised service dealer; who will undertake the Load Test in accordance with the manufacturers test procedures.
CERTIFICATION	On a satisfactory completion of the KELLY STAND test procedure a **TEST CERTIFICATE** will be issued. **YOUR INSURANCE COMPANY WILL INSIST ON THIS CERTIFICATE!**

***BE VIGILANT! THESE CHECKS ONLY TAKE 2 MINUTES, SO DO THEM REGULARLY, IT IS IN BOTH YOUR CLIENTS INTEREST AND YOURS TO DO SO.**

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TECHNICAL SPECIFICATION

STANDARDS	BS5724 Class 2 (Electrical Components)
SAFE WORKING LOAD	160Kg (25 Stones)
TESTED CAPACITY	220 Kg
MINIMUM INTERNAL WIDTH	554mm 21.8"
MINIMUM EXTERNAL WIDTH	605mm 23.8"
MAXIMUM INTERNAL WIDTH	900mm 35.4"
MAXIMUM EXTERNAL WIDTH	951mm 37.4"
MAXIMUM INTERNAL LENGTH	840mm 33.0”
MAXIMUM EXTERNAL LENGTH	1066mm 42.0"
STANDING RANGE	1200mm 47.3"
HEIGHT OF BASE	130mm 5.1"
MINIMUM CLEARANCE	25mm 1.0"
FRONT CASTOR DIAMETER	100mm 4.0"
FRONT CASTOR WIDTH	60mm 2.3"
REAR BRAKED CASTOR DIAMETER	100mm 4.0"
REAR BRAKED CASTOR WIDTH	60mm 2.3"
TURNING RADIUS	635mm 25.0"
WEIGHT OF CHASSIS SECTION	17.5Kg 38.5 lbs
WEIGHT OF MAST SECTION	18.0Kg 39.6 lbs
WEIGHT OF BATTERY	1.9 Kg 4.2 lbs
ELECTRICAL TECHNICAL SPECIFICATION	
24 VOLT PLUG IN ELECTRICAL POWER SOURCE TYPE B	
CHARGER OUTPUT VOLTAGE	27.5V DC 500 mA Max
CHARGER INPUT VOLTAGE	220V - 240V 50 Hz
PLUG TOP FUSE	1-5 Amp
ELECTRIC SHOCK PROTECTION	Class II Internal power equipment
DEGREE OF SHOCK PROTECTION	Type B
MODE OF OPERATION	10% Intermittent duty
BATTERY	24v DC Rechargeable sealed lead acid gel type
BATTERY CAPACITY	2 AH
FULLY CHARGED NEW BATTERIES WILL OFFER UP TO 30 AVERAGE CYCLES, HOWEVER REGULAR CHARGING IS RECOMMENDED. "LOW BATTERY AUDIBLE WARNING DEVICE" FITTED. "OVERLOAD AUDIBLE WARNING DEVICE" FITTED. ACTUATOR IS FITTED WITH A SAFETY NUT AND ANTI CRUSH DISENGAGEMENT DEVICE AND MANUAL EMERGENCY LOWERING DEVICE .	

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APPROVED SLING LIST Issue 1

Product Code	Description	Size
Loco-055	Locomotor Stander Sling	Small
Loco-056	Locomotor Stander Sling	Medium
Loco-057	Locomotor Stander Sling	Large

APPROVED SPARE PARTS LIST Mk2 Issue 1

Product Code	Description	Size
LOCO - 103	Battery	24V 2 Ah
LOCO – 104H	Grey Hand Control	
LOCO - 105	Charger	

APPROVED ACESSORIES Issue 1

Product Code	Description	Size
LOCO - 125	Spreader Bar	

If a different sling is required please contact customer services on ☎(01933) 411729

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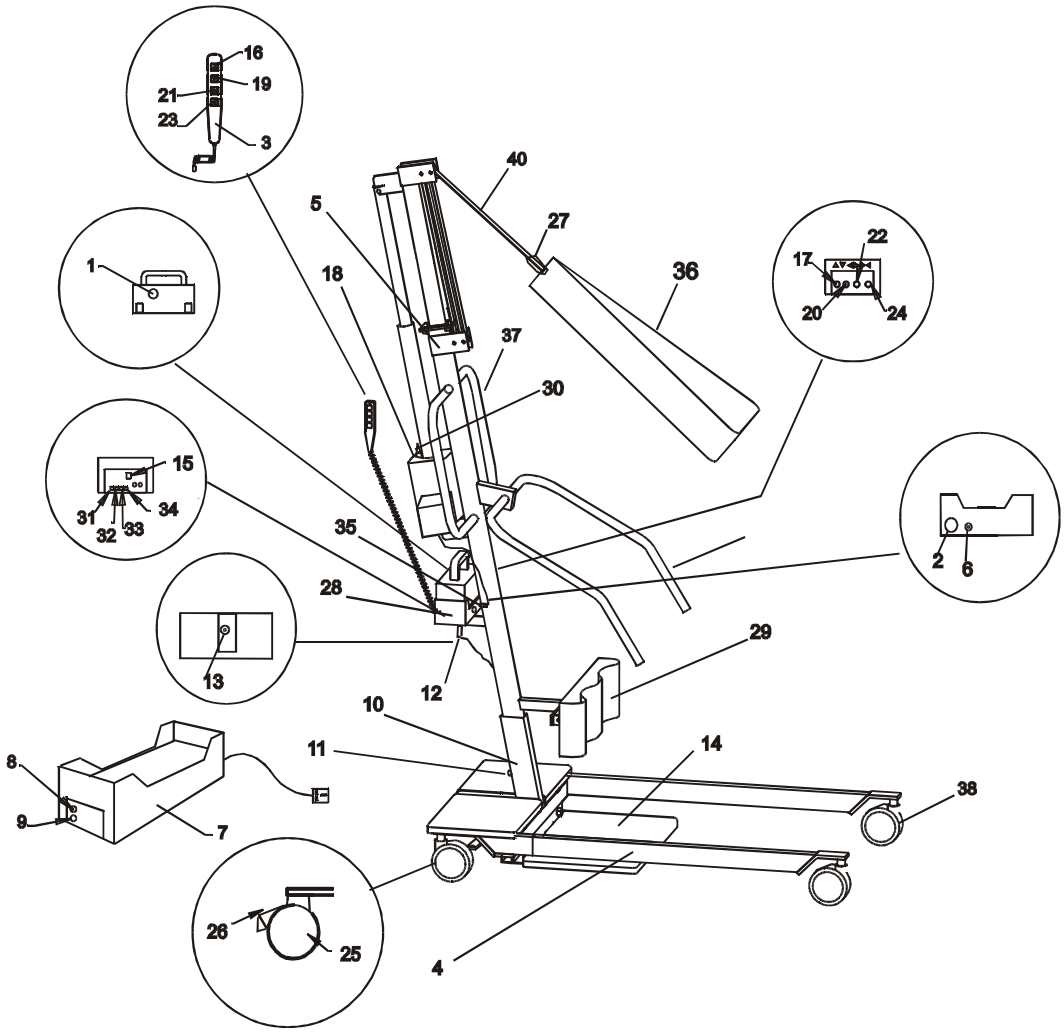

1 Battery
2 Emergency stop
3 Hand control
4 Chassis assembly
5 Mast assembly
6 Lift actuator power socket
7 Charger
8 Green power on L.E.D.
9 Amber battery charged L.E.D.
10 Chassis spigot
11 Mast lock Handwheel
12 Leg actuator lead and power plug
13 Leg actuator power socket
14 Foot plate
15 Hand control socket
16 Up button hand control
17 Up button lift controller
18 Lift actuator
19 Down button hand control
20 Down button lift controller
21 Legs open button hand control
22 Legs open button lift controller
23 Legs close button hand control
24 Legs close button lift controller
25 Rear castors
26 Brake button
27 Carabiner
28 Battery compartment
29 Shin pad
30 Emergency lowering lever
31 Green power on L.E.D.
32 Amber low battery warning L.E.D.
33 Red very low battery warning L.E.D.
34 Red over load warning L.E.D.
35 Lift actuator lead and power plug
36 Sling
37 Push pull handles.
38 Front castor
39 Handle bars
40 Flexible lift tape

Diagram

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GLOSSARY

Attention consult accompanying documents before use.

Refer servicing to servicing personnel only.

Recyclable product.

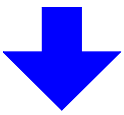
Lead acid battery.

Do not dispose of in the bin.

Do not dispose of in a fire.

Do not allow the Battery to get wet.

Up.



Down.

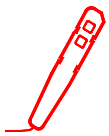
Lock.

Full battery.

Low battery.

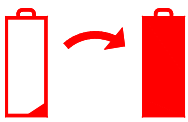
Flat battery.

Overload - check weight and make sure sling is not trapped.



Hand controller socket.

Mains on.



Charging.

Alternating current.

Direct current.

Unlock

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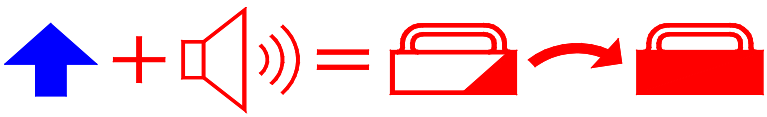
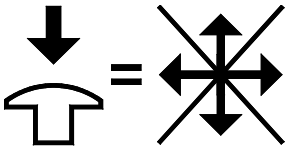
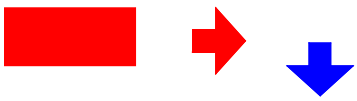


If sounder bleeps when lifting please change battery.



Emergency stop.



Emergency manual lowering release lever.

Type B equipment (Protection against electric shock).

CE.

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